

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/

ATTORNEY DOCKET No.: 14014.0417U2

APPLICATION No.: 10/581,228

SHEET 1 OF 15



## INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/581,228
Filing Date	June 2, 2006
First Named Inventor	Chiorini et al.
Group Art Unit	1646
Examiner Name	Unassigned

## U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclas s	Filing Date (if appropriate)
	B1	6,146,874	Nov 14 2000	Zolotukhin et al.			
	B2	6,180,613	Jan 30 2001	Kaplitt et al.			
	B3	6,221,349	Apr 24 2001	Couto et al.			
	B4	6,309,634	Oct 30 2001	Bankiewicz et al.			
	B5	6,391,858	May 21 2002	Podsakoff et al.			
	B6	6,468,524	Oct 22 2002	Chiorini et al.			
	B7	6,485,976	Nov 26 2002	Nadler et al.			
	B8	6,855,314	Feb 15 2005	Chiorini et al.			
	B9	6,984,517	Jan 10 2006	Chiorini et al.			
	B10	2002/0076754 A1	Jun 20 2002	Sun et al.			
	B11	2003/0228282 A1	Dec 11 2003	Gao et al.			
	B12	2004/0086490 A1	Jun 06 2004	Chiorini et al.			
	B13	2004/0110266 A1	Jun 10 2004	Chiorini et al.			
	B14	2004/0115789 A1	Jun 17 2004	Meruelo et al.			
	B15	2005/0255089 A1	Nov 17 2005	Chiorini et al.			

## FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No
	B16	DE 44 36 664 A1	Jul 4 1996	Heilbronn, R.	YES
	B17	WO 1993/24641 A	Dec 9 1993	Carter et al.	
	B18	WO 1996/00587 A	Jan 11 1996	Samulski et al.	
	B19	WO 1996/15777 A	May 30 1996	Wiener et al.	
	B20	WO 1996/18727	Jun 20 1996	Natsoulis, Georges	
	B21	WO 1997/06272	Feb 20 1997	Natsoulis, Georges	
	B22	WO 1998/41240 A	Sept 24 1998	High et al.	
	B23	WO 1998/45462 A	Oct 15 1998	Ciliberto et al.	
	B24	WO 2000/28061	May 18 2000	Wilson et al.	
	B25	WO 2003/093479	Nov 13 2003	Muzyczka et al.	
	B26	WO 2005/017101	Feb 24 2005	Bossis et al.	
	B27	WO 2006/029196	Mar 16 2006	Chiorini et al.	
	B28	WO 2006/119432	Nov 09 2006	Schmidt et al.	

Examiner Signature: /Michael Burkhart/ Date Considered: 01/31/2011

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST  (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/581,228
		Filing Date	June 2, 2006
		First Named Inventor	Chiorini et al.
		Group Art Unit	1646
		Examiner Name	Unassigned

**NON-PATENT DOCUMENTS**

Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
	B29	Alexander et al., "DNA-Damaging Agents Greatly Increase the Transduction of Nondividing Cells by Adeno-Associated Virus Vectors," December 1994, <i>J. Virol.</i> , 68(12):8282-8287.
	B30	Alisky et al., "Transduction of Murine Cerebellar Neurons with Recombinant FIV and AAV5 Vectors," August 2000, <i>Mol. Neurosci.</i> , 11(1221):2669-2673.
	B31	Alisky J.M. and Tolbert D.M., "Differential labeling of converging afferent pathways using biotinylated dextran amine and cholera toxin subunit B," 1994, <i>Journal of Neuroscience Methods</i> , 52:143-148.
	B32	Allen, J.M., Halbert, C.L. and Miller, A.D., "Improved adeno-associated virus vector production with transfection of a single helper adenovirus gene, E4orf6," 2000, <i>Mol Ther</i> , 1:88-95.
	B33	Arnberg, N., A. H. Kidd, K. Edlund, J. Nilsson, P. Pring-Akerblom, and G. Wadell, "Adenovirus type 37 binds to cell surface sialic acid through a charge-dependent interaction," 2002, <i>Virology</i> , 302:33-43.
	B34	Atchison, R. W., B. C. Casto, and W. M. Hammon, "Adenovirus-Associated Defective Virus Particles," 1965, <i>Science</i> , 149:754-756.
	B35	Auricchio et al., "A Single-Step Affinity Column for Purification of Serotype-5 Based Adeno-Associated Viral Vectors," October 2001, <i>Mol Ther</i> , 4(4):372-374.
	B36	Bachmann, P.A., M.D. Hoggan, E. Kurstak, J.L. Melnick, H.G. Pereira, P. Tattersall, and C. Vago, "Parvoviridae: second report," 1979, <i>Intervirology</i> , 11:248-254.
	B37	Bajocchi G, Feldman SH, Crystal RG, Mastrangeli A., "Direct <i>in vivo</i> gene transfer to ependymal cells in the central nervous system using recombinant adenovirus vectors," 1993, <i>Nat Genet</i> , 3:229-234.
	B38	Bantel-Schaal U, Delius H, Schmidt R, zur Hausen H., "Human adeno-associated virus type 5 is only distantly related to other known primate helper-dependent parvoviruses," 1999, <i>J Virol.</i> , 73(2):939-947.
	B39	Bantel-Schaal U, zur Hausen H., "Characterization of the DNA of a defective human parvovirus isolated from a genital site," 1984, <i>Virology</i> , 134(1):52-63, XP009028974
	B40	Bantel-Schaal, U. and M. Stohr, "Influence of adeno-associated virus on adherence and growth properties of normal cells," 1992, <i>J. Virol.</i> , 66:773-779.
	B41	Bantel-Schaal, U., Hub, B. and Kartenebeck, J., "Endocytosis of adeno-associated virus type 5 leads to accumulation of virus particles in the Golgi compartment," 2002, <i>J Virol</i> , 76:2340-2349.
	B42	Bartlett JS, Kleinschmidt J., Boucher RC, and Samulski RJ, "Targeted adeno-associated virus vector transduction of nonpermissive cells mediated by a bispecific F(ab'gamma) <sub>2</sub> antibody," 1999, <i>Nat Biotechnol</i> , 17:181-186.
	B43	Bartlett JS, Samulski RJ, McCown T.J., "Selective and rapid uptake of adeno-associated virus type 2 in brain," 1998, <i>Hum Gene Ther</i> , 9(8):1181-1186.
	B44	Bartlett, J.S., Wilcher, R. and Samulski, R.J., "Infectious entry pathway of adeno-associated virus and adeno-associated virus vectors," 2000, <i>J Virol</i> , 74:2777-2785.
	B45	Ben-Israel, H. and Kleinberger, T., "Adenovirus and cell cycle control," 2002, <i>Front Biosci</i> , 7:d1369-1395.

Examiner Signature: /Michael Burkhart/ Date Considered: 01/31/2011

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST  (Use as many sheets as necessary)		Complete if Known	
		Application Number	
		Filing Date	June 2, 2006
		First Named Inventor	Chiorini et al.
		Group Art Unit	1646
		Examiner Name	Unassigned
B46	Bergelson, JM, Cunningham JA, Drogue G., Kurt-Jones EA, Krithivas A., Hong JS, Horwitz MS, Crowell RL, and Finberg RW, "Isolation of a common receptor for Coxsackie B viruses and adenoviruses 2 and 5," 1997, <i>Science</i> , 275:1320-1323.		
B47	Berns, K. I., "Parvoviridae: the viruses and their replication," In F. B. N., K. D. M., and H. P. M. (ed.), <i>Fields virology</i> , 3rd ed. Lippincott-Raven Publishers, Philadelphia, PA, p. 2173-2197.		
B48	Blacklow, et al., "Serologic Evidence for Human Infection With Adenovirus-Associated Viruses," 1968, <i>J NCI</i> , 40(2):319-327.		
B49	Blacklow, N.R., Hoggan, M.D. and Rowe, W.P. "Isolation of adenovirus-associated viruses from man," 1967, <i>Proc Natl Acad Sci U S A</i> , 58:1410-1415.		
B50	Bomsel M, Alfsen A, "Entry of viruses through the epithelial barrier: pathogenic trickery," 2003, <i>Nat Rev Mol Cell Biol</i> , 4:57-68.		
B51	Bomsel M, David V, "Mucosal gatekeepers: selecting HIV viruses for early infection," 2002, <i>Nat Med</i> , 8:114-116.		
B52	Bossis, I. and Chiorini, J.A., "Cloning of an Avian Adeno-Associated Virus (AAAV) and Generation of Recombinant AAAV Particles," 2003, <i>J Virol</i> , 77(12):6799-6810.		
B53	Burcin, M.M., O'Malley, B.W. and S.Y. Tsai, "A regulatory system for target gene expression," 1998, <i>Frontiers in Bioscience</i> , 3:c1-7.		
B54	Carter, B. J., B. A. Antoni, and D. F. Klessig, "Adenovirus containing a deletion of the early region 2A gene allows growth of adeno-associated virus with decreased efficiency," 1992, <i>Virology</i> , 191:473-476.		
B55	Carter, B. J., C. A. Laughlin, L. M. de la Maza, and M. Myers, "Adeno-associated virus autointerference," 1979, <i>Virology</i> , 92:449-462.		
B56	Casto, B. C., R. W. Atchison, and W. M. Hammon, "Studies on the relationship between adeno-associated virus type I (AAV-1) and adenoviruses. I. Replication of AAV-1 in certain cell cultures and its effect on helper adenovirus," 1967a, <i>Virology</i> , 32:52-59.		
B57	Casto, B. C., J. A. Armstrong, R. W. Atchison, and W. M. Hammon, "Studies on the relationship between adeno-associated virus type 1 (AAV-1) and adenoviruses. II. Inhibition of adenovirus plaques by AAV; its nature and specificity," 1967b, <i>Virology</i> , 33:452-458.		
B58	Chang, L.S. and Shenk, T., "The adenovirus DNA-binding protein stimulates the rate of transcription directed by adenovirus and adeno-associated virus promoters," 1990, <i>J Virol</i> , 64:2103-2109.		
B59	Chang, L.S., Y. Shi, and T. Shenk, "Adeno-associated virus P5 promoter contains an adenovirus E1A-inducible element and a binding site for the major late transcription factor," 1989, <i>J. Virol.</i> , 63:3479-3488.		
B60	Chao H et al., "Several Log Increase in Therapeutic Transgene Delivery by Distinct Adeno-Associated Viral Serotype Vectors," 2000, <i>Molecular Therapy</i> , 2(6):619-623.		
B61	Chejanovsky, N. and B.J. Carter, "Replication of a human parvovirus nonsense mutant in mammalian cells containing an inducible amber suppressor," 1989a, <i>Virology</i> , 171:239-247.		
B62	Chejanovsky, N. and B.J. Carter, "Mutagenesis of an AUG codon in the adeno-associated virus rep gene: effects on viral DNA replication," 1989b, <i>Virology</i> , 173:120-128.		

Examiner Signature:	/Michael Burkhart/	Date Considered:	01/31/2011
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

INFORMATION DISCLOSURE STATEMENT LIST  (Use as many sheets as necessary)		Complete if Known
		Application Number
		Filing Date
		First Named Inventor
		Group Art Unit
		Examiner Name
B63	Chiorini JA, Afione S, Kotin RM, "Adeno-associated virus (AAV) type 5 Rep protein cleaves a unique terminal resolution site compared with other AAV serotypes," 1999a May, <i>J Virol.</i> , 73(5):4293-4298.	
B64	Chiorini, J.A., C.M. Wendtner, E. Urcelay, B. Safer, M. Hallek, and R.M. Kotin, "High-efficiency transfer of the T cell co-stimulatory molecule B7-2 to lymphoid cells using high-titer recombinant adeno-associated virus vectors," 1995, <i>Human Gene Therapy</i> , 6:1531-1541.	
B65	Chiorini, J.A., L. Yang, B. Safer, and R.M. Kotin, "Determination of adeno-associated virus Rep68 and Rep78 binding sites by random sequence oligonucleotide selection," 1995, <i>J. Virol.</i> , 69:7334-7338.	
B66	Chiorini, J.A., M.D. Weitzman, R.A. Owens, E. Urcelay, B. Safer, and R.M. Kotin, "Biologically active Rep proteins of adeno-associated virus type 2 produced as fusion proteins in <i>Escherichia coli</i> ," 1994a, <i>J. Virol.</i> , 68:797-804.	
B67	Chiorini, J.A., S.M. Wiener, R.M. Kotin, R.A. Owens, SRM Kyöstiö, and B. Safer, "Sequence requirements for stable binding and function of Rep68 on the adeno-associated virus type 2 inverted terminal repeats," 1994b, <i>J. Virol.</i> , 68:7448-7457.	
B68	Clark et al., "Highly Purified Recombinant Adeno-Associated Virus Vectors are Biologically Active and Free of Detectable Helper and Wild-Type Viruses," 1999, <i>Hum. Gene Ther.</i> , 10:1031-1039.	
B69	Cohen-Salmon et al., "Targeted ablation of connexin26 in the inner ear epithelial gap junction network causes hearing impairment and cell death," 2002, <i>Curr Biol</i> , 12:1106-1111.	
B70	Crystal RG, "Transfer of genes to humans: early lessons and obstacles to success," 1995, <i>Science</i> , 270(5235):404-410.	
B71	Database EMBL, Entry GGACTAA, GenBank Accession number M61166, 3/27/1991, XP002125220	
B72	Davidson BL, Doran SE, Shewach DS, Latta JM, Hartman JW, Roessler BJ., "Expression of <i>Escherichia coli</i> beta-galactosidase and rat HPRT in the CNS of <i>Macaca mulatta</i> following adenoviral mediated gene transfer," 1994, <i>Exp Neurol</i> , 125:258-267.	
B73	Davidson BL, Stein CS, Heth JA, Martins I, Kotin RM, Derksen TA, Zabner J, Ghodsi A, Chiorini JA, "Recombinant adeno-associated virus type 2, 4, and 5 vectors: Transduction of variant cell types and regions in the mammalian central nervous system," 2000, <i>Proc Natl Acad Sci U S A</i> , 97(7):3428-3432.	
B74	Deonarain MP, "Ligand-targeted receptor-mediated vectors for gene delivery," 1998, <i>Molecular Conjugate Vectors</i> , 8(1):53-69.	
B75	Derby, M. L., M. Sena-Esteves, et al., "Gene transfer into the mammalian inner ear using HSV-1 and vaccinia virus vectors," 1999, <i>Hear Res</i> , 134(1-2):1-8.	
B76	Di Pasquale, G., and J. A. Chiorini, "PKA/PrKX activity is a modulator of AAV/adenovirus interaction," 2003, <i>EMBO J</i> , 22:1716-1724.	
B77	Di Pasquale, G., B. L. Davidson, et al., "Identification of PDGFR as a receptor for AAV-5 transduction," 2003, <i>Nat Med</i> , 9(10):1306-1312.	
B78	Dixit, M., M.S. Webb, W.C. Smart, and S. Ohi, "Construction and expression of a recombinant adeno-associated virus that harbors a human beta-globin-encoding cDNA," 1991, <i>Gene</i> , 104:253-257.	
B79	Doll RF, Crandall JE, Dyer CA, Aucoin JM, Smith FI., "Comparison of promoter strengths on gene delivery into mammalian brain cells using AAV vectors," 1996, <i>Gene Ther</i> , 3:437-447.	

Examiner Signature:	/Michael Burkhart/	Date Considered:	01/31/2011
---------------------	--------------------	------------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST  (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/581,228
		Filing Date	June 2, 2006
		First Named Inventor	Chiorini et al.
		Group Art Unit	1646
		Examiner Name	Unassigned
B80	Duan, D., Yue Y., Yan Z., McCray PB Jr, and Engelhardt JF., "Polarity influences the efficiency of recombinant adenoassociated virus infection in differentiated airway epithelia," 1998, <i>Hum Gene Ther</i> , 9:2761-2776.		
B81	During MJ, Symes CW, Lawlor PA, Lin J, Dunning J, Fitzsimons HL, Poulsen D, Leone P, Xu R, Dicker BL, Lipski J, Young D, "An oral vaccine against NMDAR1 with efficacy in experimental stroke and epilepsy," 2000, <i>Science</i> , 287:1453-1460.		
B82	During MJ, Xu R, Young D, Kaplitt MG, Sherwin RS, Leone P., "Peroral gene therapy of lactose intolerance using an adeno-associated virus vector," 1998, <i>Nat Med</i> , 4(10):1131-1135.		
B83	During MJ, Leone P, "Adeno-associated virus vectors for gene therapy of neurodegenerative disorders," 1995-96, <i>Clin Neurosci</i> , 3(5):292-300, XP-002125034		
B84	Erles, K., Sebokova, P. and Schlehofer, J.R., "Update on the prevalence of serum antibodies (IgG and IgM) to adeno-associated virus (AAV)," 1999, <i>J Med Virol</i> , 59:406-411.		
B85	Fan D-S, Ogawa M, Fujimoto K-I, Ikeguchi K, Ogasawara Y, Urabe M, Nishizawa M, Nakano I, Yoshida M, Nagatsu I, Ichinose H, Nagatsu T, Kurtzman GJ, Ozawa K, "Behavioral recovery in 6-hydroxydopamine-lesioned rats by cotransduction of striatum with tyrosine hydroxylase and aromatic L-amino acid decarboxylase genes using two separate adeno-associated virus vectors," 1998, <i>Hum Gene Ther</i> , 9:2527-2535.		
B86	Fisher, KJ, Jooss K., Alston J., Yang Y., Haecker SE, High K., Pathak R., Raper SE, and Wilson JM, "Recombinant adeno-associated virus for muscle directed gene therapy," 1997, <i>Nat Med</i> , 3:306-312.		
B87	Fisher, R.E., H.D. Mayor, "The evolution of defective and autonomous parvoviruses," 1991, <i>J Theor Biol</i> , 149:429-439.		
B88	Flannery et al., "Efficient Photoreceptor-targeted Gene Expression <i>in vivo</i> by Recombinant Adeno-Associated Virus," 1997, <i>Proc Natl Acad Sci USA</i> , 94:6916-6921.		
B89	Flotte TR, Solow R, Owens RA, Afione S, Zeitlin PL, Carter BJ, "Gene expression from adeno-associated virus vectors in airway epithelial cells," 1992, <i>Am J Respir Cell Mol Biol</i> , 7(3):349-356; XP000609213		
B90	Flotte, T.R., S.A. Afione, C. Conrad, S.A. McGrath, R. Solow, H. Oka, P.L. Zeitlin, W.B. Guggino, and B.J. Carter, "Stable <i>in vivo</i> expression of the cystic fibrosis transmembrane conductance regulator with an adeno-associated virus vector," 1993, <i>Proc. Natl. Acad. Sci.</i> , 90:10613-10617.		
B91	Flotte, T.R., S.A. Afione, R. Solow, M.L. Drumm, D. Markakis, W.B. Guggino, P.L. Zeitlin, and B.J. Carter, "Expression of the cystic fibrosis transmembrane conductance regulator from a novel adeno-associated virus promoter," 1993, <i>J Biol Chem</i> , 268:3781-3790.		
B92	Frolenkov GI, Belyantseva IA, Friedman TB, Griffith AJ, "Genetic insights into the morphogenesis of inner ear hair cells," 2004, <i>Nat Rev Genet</i> , 5:489-498.		
B93	Gao, G., L. H. Vandenberghe, M. R. Alvira, Y. Lu, R. Calcedo, X. Zhou, and J. M. Wilson, "Clades of Adeno-associated viruses are widely disseminated in human tissues," 2004, <i>J Virol</i> , 78:6381-6388.		
B94	Gao, G.P., Alvira, M.R., Wang, L., Calcedo, R., Johnston, J. and Wilson, J.M., "Novel adeno-associated viruses from rhesus monkeys as vectors for human gene therapy," 2002, <i>Proc Natl Acad Sci USA</i> , 99:11854-11859.		
B95	GenBank Accession number AY186190	No date	

Examiner Signature:	/Michael Burkhart/	Date Considered:	01/31/2011
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/

INFORMATION DISCLOSURE STATEMENT LIST  (Use as many sheets as necessary)		Complete if Known
		Application Number
		Filing Date
		First Named Inventor
		Group Art Unit
		Examiner Name
B96	Georg-Fries B, Biederlack S, Wolf J, zur Hausen H, "Analysis of proteins, helper dependence, and seroepidemiology of a new human parvovirus," 1984, <i>Virology</i> , 134(1):64-71, XP002027460.	
B97	Ghodsi A., Stein C., Derksen T., Martins I., Anderson RD, & Davidson BL, "Systemic hyperosmolality improves beta-glucuronidase distribution and pathology in murine MPS VII brain following intraventricular gene transfer," 1999, <i>Exp Neurol</i> , 160:109-116.	
B98	Ghodsi A., Stein, C., Derksen T., Yang, G., Anderson R.D., Davidson B.L., "Extensive beta-glucuronidase activity in murine central nervous system after adenovirus-mediated gene transfer to brain," 1998, <i>Hum Gene Ther</i> , 9:2331-2340.	
B99	Girod A., Ried M., Wobus C., Lahm H., Leike K., Kleinschmidt J., Deleage G., and Hallek M., "Genetic capsid modifications allow efficient re-targeting of adeno-associated virus type 2," 1999, <i>Nat Med</i> , 5:1052-1056.	
B100	Grimm, D. and M. A. Kay, "From virus evolution to vector revolution: use of naturally occurring serotypes of adeno-associated virus (AAV) as novel vectors for human gene therapy," 2003, <i>Curr Gene Ther</i> , 3(4):281-304.	
B101	Grimm D and Kern A, Rittner K Kleinschmidt JA, "Novel Tools for Production and Purification of Recombinant Adenoassociated Virus Vectors," 1998, <i>Human Gene Therapy</i> , 9:2745-2760.	
B102	Guy J., Qi X., Muzyczka N., and Hauswirth WW, "Reporter expression persists 1 year after adeno-associated virus-mediated gene transfer to the optic nerve," 1999, <i>Arch Ophthalmol</i> , 117:929-937.	
B103	Halbert CL, Standaert TA, Aitken ML, Alexander IE, Russell DW, and Miller AD, "Transduction by adeno-associated virus vectors in the rabbit airway: efficiency, persistence, and readministration," 1997, <i>J Virol</i> , 71:5932-5941.	
B104	Halbert, C. L., J. M. Allen, and A. D. Miller, "Adeno-associated virus type 6 (AAV6) vectors mediate efficient transduction of airway epithelial cells in mouse lungs compared to that of AAV2 vectors," 2001, <i>J Virol</i> , 75:6615-6624.	
B105	He, D. Z., J. Zheng, et al., "Development of acetylcholine receptors in cultured outer hair cells," 2001, <i>Hear Res</i> , 162(1-2):113-125.	
B106	Hehir K.M., Armentano D., Cardoza L.M., Choquette T.L., Berthelette P.B., White G.A., Couture L.A., Everton M.B., Keegan J., Martin J.M., Pratt D.A., Smith M.P., Smith A.E., Wadsworth S.C., "Molecular characterization of replication-competent variants of adenovirus vectors and genome modifications to prevent their occurrence," 1996, <i>J Virol</i> , 70(12):8459-8467.	
B107	Heister, T., Heid, I. Ackermann, M., Fraefel, C., "Herpes simplex virus type 1/adeno-associated virus hybrid vectors mediate site-specific integration at the adeno-associated virus preintegration site, AAVS1, on human chromosome 19," 2002, <i>J Virol</i> , 76(14):7163-7173.	
B108	Hermonat PL, Santin AD, De Greve J, De Rijcke M, Bishop BM, Han L, Mane M, Kokorina N, "Chromosomal latency and expression at map unit 96 of a wild-type plus adeno-associated virus (AAV)/Neo vector and identification of p81, a new AAV transcriptional promoter," 1999 Nov-Dec, <i>J Hum Virol</i> , 2(6):359-368.	
B109	Hermonat, PL and N Muzyczka, "Use of adeno-associated virus as a mammalian DNA cloning vector: transduction of neomycin resistance into mammalian tissue culture cells," 1984, <i>Proc Natl Acad Sci USA</i> , 81:6466-6470.	

Examiner Signature: /Michael Burkhart/ | Date Considered: 01/31/2011

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST  (Use as many sheets as necessary)		Complete if Known
		Application Number
		Filing Date
		First Named Inventor
		Group Art Unit
		Examiner Name
	B110	Hermonat, P.L., M.A. Labow, R. Wright, K.I. Berns, and N. Muzyczka, "Genetics of adeno-associated virus: isolation and preliminary characterization of adeno-associated virus type 2 mutants," 1984, <i>J. Virol.</i> , 51:329-339.
	B111	Hoggan, M. D., N. R. Blacklow, and W. P. Rowe, "Studies of small DNA viruses found in various adenovirus preparations: physical, biological, and immunological characteristics," 1966, <i>Proc Natl Acad Sci USA</i> , 55:1467-1474.
	B112	Hoggan, M.D., "Adenovirus associated viruses," 1970, <i>Prog Med Virol</i> , 12:211-239.
	B113	Holt, J. R., "Viral-mediated gene transfer to study the molecular physiology of the Mammalian inner ear" 2002, <i>Audiol Neurotol</i> , 7(3):157-160.
	B114	Holt, J. R., D. C. Johns, et al., "Functional expression of exogenous proteins in mammalian sensory hair cells infected with adenoviral vectors," 1999, <i>J Neurophysiol</i> , 81(4):1881-1888.
	B115	Hsueh Y-P, Sheng M., "Regulated expression and subcellular localization of syndecan heparan sulfate proteoglycans and the syndecan-binding protein CASK/LIN-2 during rat brain development," 1999, <i>J Neurosci</i> , 19(17):7415-7425.
	B116	Hsueh Y-P, Yang F-C, Kharazia V, Naisbitt S, Cohen AR, Weinberg RJ, Sheng M, "Direct interaction of CASK/LIN-2 and syndecan heparan sulfate proteoglycan and their overlapping distribution in neuronal synapses," 1998, <i>J Cell Biol</i> , 142(1):139-151.
	B117	Hull, R. N., J. R. Minner, and J. W. Smith, "New viral agents recovered from tissue cultures of monkey kidney cells. I. Origin and properties of cytopathogenic agents S.V.1, S.V.2, S.V.4, S.V.5, S.V.6, S.V.11, S.V.12 and S.V.15," 1956, <i>Am J Hyg</i> , 63:204-215.
	B118	Hull, R. N., and J. R. Minner, "New viral agents recovered from tissue cultures of monkey kidney cells. II. Problems of isolation and identification," 1957, <i>Ann NY Acad Sci</i> , 67:413-423.
	B119	Hull, R. N., J. R. Minner, and C. C. Mascoli, "New viral agents recovered from tissue cultures of monkey kidney cells. III. Recovery of additional agents both from cultures of monkey tissues and directly from tissues and excreta," 1958, <i>Am J Hyg</i> , 68:31-44.
	B120	Hunter, L.A. and R.J. Samulski, "Colocalization of adeno-associated virus Rep and capsid proteins in the nuclei of infected cells," 1992, <i>J. Virol.</i> , 66:317-324.
	B121	Im DS, Muzyczka N, "Partial purification of adeno-associated virus Rep78, Rep52, and Rep40 and their biochemical characterization," 1992 Feb, <i>J Virol.</i> , 66(2):1119-1128, XP002125031.
	B122	Inglis VI, Jones MP, Tse AD, Easton AS, "Neutrophils both reduce and increase permeability in a cell culture model of the blood-brain barrier," 2004, <i>Brain Res</i> , 998(2):218-229.
	B123	Ito, M. and H.D. Mayor, "Hemagglutinin of type 4 adeno-associated satellite virus," 1968, <i>J. Immunol</i> , 100:61-68.
	B124	Jaksch, M., K.D. Gerbitz, and C. Kilger, "Screening for mitochondrial DNA (mtDNA) point mutations using nonradioactive single strand conformation polymorphism (SSCP) analysis," 1995, <i>Clin. Biochem.</i> , 28:503-509
	B125	Janik, J.E., M.M. Huston, K. Cho, and J.A. Rose, "Efficient syntheses of adeno-associated virus structural proteins requires both adenovirus DNA binding protein and VA I RNA," 1989, <i>Virology</i> , 168:320-329.

Examiner Signature:	Date Considered:	01/31/2011
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

INFORMATION DISCLOSURE STATEMENT LIST  (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/581,228
		Filing Date	June 2, 2006
		First Named Inventor	Chiorini et al.
		Group Art Unit	1646
		Examiner Name	Unassigned
	B126	Jero J, Mhatre AN, Tseng CJ, Stern RE, Coling DE, Goldstein JA, Hong K, Zheng WW, Hoque AT, Lalwani AK., "Cochlear gene delivery through an intact round window membrane in mouse," 2001, <i>Hum Gene Ther</i> , 12(5):539-548.	
	B127	Johansson CB, Momma S, Clarke DL, Risling M, Lendahl U, Frisen J, "Identification of a neural stem cell in the adult mammalian central nervous system," 1999, <i>Cell</i> , 96(1):25-34.	
	B128	Kaludov et al., "Adeno-Associated Virus Serotype 4 (AAV4) and AAV5 Both Require Sialic Acid Binding for Hemagglutination and Efficient Transduction but Differ in Sialic Acid Linkage Specificity" 2001, <i>J. Virol.</i> , 75(15):6884-6893.	
	B129	Kaludov et al., "Scalable Purification of Adeno-Associated Virus Type 2, 4 or 5 Using Ion-Exchange Chromatography," 2002, <i>Human Gene Therapy</i> , 13:1235-1243.	
	B130	Kanzaki, S., K. Ogawa, et al., "Transgene expression in neonatal mouse inner ear explants mediated by first and advanced generation adenovirus vectors," 2002, <i>Hear Res</i> , 169(1-2):112-120.	
	B131	Kaplitt, M.G., P. Leone, R.J. Samulski, X. Xiao, D.W. Pfaff, K.L. O'Malley, and J.M. During, "Long-term gene expression and phenotypic correction using adeno-associated virus vectors in the mammalian brain," 1994, <i>Nature Genetics</i> , 8:148-154.	
	B132	Kelsell, D.P., Dunlop, J., Stevens, H.P., Lench, N.J., Liang, J.N., Parry, G., Mueller, R.F., Leigh, I.M., "Connexin 26 mutations in hereditary non-syndromic sensorineural deafness," 1997, <i>Nature</i> , 387(6628):80-83	
	B133	Kern, A., K. Schmidt, C. Leder, O. J. Muller, C. E. Wobus, K. Bettinger, C. W. Von der Lieth, J. A. King, and J. A. Kleinschmidt, "Identification of a heparin-binding motif on adeno-associated virus type 2 capsids," 2003, <i>J Virol</i> , 77:11072-11081.	
	B134	Klein RL, Meyer EM, Peel AL, Zolotukhin S, Meyers C, Muzyczka N, King MA., "Neuron-specific transduction in the rat septohippocampal or nigrostriatal pathway by recombinant adeno-associated virus vectors," 1998, <i>Exp Neurol</i> , 150:183-194.	
	B135	Kondo M., Finkbeiner WE, and Widdicombe JH., "Simple technique for culture of highly differentiated cells from dog tracheal epithelium," 1991, <i>Am.J.Physiol</i> , 261:L106-L117.	
	B136	Kotin et al., "Organization of adeno-associated virus DNA in latently infected Detroit 6 cells," 1989, <i>Virology</i> , 170(2):460-467	
	B137	Kotin, R.M., M. Siniscalco, R.J. Samulski, X. Zhu, L. Hunter, C.A. Laughlin, S. McLaughlin, N. Muzyczka, M. Rocchi, and K.I. Berns, "Site-specific integration by adeno-associated virus," 1990, <i>Proc. Natl. Acad. Sci. USA</i> , 87:2211-2215.	
	B138	Kovacs P, Pinter M, Csaba G, "Effect of glucosphingolipid synthesis inhibitor (PPMP and PDMP) treatment on <i>Tetrahymena pyriformis</i> : data on the evolution of the signaling system," 2000, <i>Cell Biochem Funct</i> , 18(4):269-280.	
	B139	Kyo S, Nakamura M, Kiyono T, Maida Y, Kanaya T, Tanaka M, Yatabe N, Inoue M, "Successful immortalization of endometrial glandular cells with normal structural and functional characteristics," 2003, <i>Am J Pathol</i> , 163(6):2259-2269.	

Examiner Signature:	/Michael Burkhart/	Date Considered:	01/31/2011
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

INFORMATION DISCLOSURE STATEMENT LIST  (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/581,228
		Filing Date	June 2, 2006
		First Named Inventor	Chiorini et al.
		Group Art Unit	1646
		Examiner Name	Unassigned
B140	Kyostio SR, Owens RA, Weitzman MD, Antoni BA, Chejanovsky N, Carter BJ, "Analysis of adeno-associated virus (AAV) wild-type and mutant Rep proteins for their abilities to negatively regulate AAV p <sub>5</sub> and p <sub>19</sub> mRNA levels," 1994, <i>J Virol</i> , 68(5):2947-2957, XP-002125032.		
B141	Laughlin, C.A., M.W. Myers, D.L. Risin, B.J. Carter, "Defective-interfering particles of the human parvovirus adeno-associated virus," 1979, <i>Virology</i> , 94:162-174.		
B142	Laughlin, C.A., N. Jones, and B.J. Carter, "Effect of deletions in adenovirus early region 1 genes upon replication of adeno-associated virus," 1982, <i>J. Virol</i> , 41:868-876.		
B143	Lee K, Kim YG, Jo EC, "Shuttle PCR-based cloning of the infectious adeno-associated virus type 5 genome," 2003, <i>J Virol Methods</i> , 111(2):75-84.		
B144	Li J, Samulski RJ, Xiao X, "Role for Highly Regulated rep Gene Expression in Adeno-Associated Virus Vector Production," 1997, <i>J Virol</i> , 71(7):5236-5243		
B145	Li Duan, M., T. Bordet, et al., "Adenoviral and adeno-associated viral vector mediated gene transfer in the guinea pig cochlea," 2002, <i>Neuroreport</i> , 13(10):1295-1299.		
B146	Liang Y, Annan RS, Carr SA, Popp S, Mevissen M, Margolis RK, Margolis RU, "Mammalian homologues of the <i>Drosophila</i> slit protein are ligands of the heparan sulfate proteoglycan glypcan-1 in brain," 1999, <i>J Biol Chem</i> , 274(25):17885-17892.		
B147	Lo WD, Qu G, Sferra TJ, Clark R, Chen R, Johnson PR., "Adeno-associated virus-mediated gene transfer to the brain: duration and modulation of expression," 1999, <i>Hum Gene Ther</i> , 10:201-213.		
B148	Luchsinger, E., Strobbe, R., Dekegel, D. and Wellemans, G., "Use of B-IV zonal rotor centrifugation as a simple tool for the separation of adeno-associated X 7 virus (AAVX 7 ) from helper adenoviruses," 1971, <i>Arch Gesamte Virusforsch</i> , 33:251-258.		
B149	Luchsinger, E., Strobbe, R., Wellemans, G., Dekegel, D. and Sprecher-Goldberger, S., "Haemagglutinating adeno-associated virus (AAV) in association with bovine adenovirus type 1," 1970, <i>Brief report. Arch Gesamte Virusforsch</i> , 31:390-392.		
B150	Luebke, A. E., J. D. Steiger, et al., "A modified adenovirus can transfect cochlear hair cells <i>in vivo</i> without compromising cochlear function," 2001, <i>Gene Ther</i> , 8(10):789-794.		
B151	Luebke, A. E., P. K. Foster, et al., "Cochlear function and transgene expression in the guinea pig cochlea, using adenovirus- and adeno-associated virus-directed gene transfer," 2001, <i>Hum Gene Ther</i> , 12:773-781.		
B152	Maeda Y, Ikeda U, Ogasawara Y, Urabe M, Takizawa T, Saito T, Colosi P, Kurtzman G, Shimada K, Ozawa K, "Gene transfer into vascular cells using adeno-associated virus (AAV) vectors," 1997, <i>Cardiovasc Res</i> , 35(3):514-521, XP-002125030		
B153	Mandel RJ, Rendahl KG, Spratt SK, Snyder RO, Cohen LK, Leff SE., "Characterization of intrastriatal recombinant adeno-associated virus-mediated gene transfer of human tyrosine hydroxylase and human GTP-cyclohydrolase I in a rat model of Parkinson's disease," 1998, <i>J Neurosci</i> , 18(11):4271-4284.		
B154	McCarty, D.M., J. Pereira, I. Zolotukhin, X. Zhou, J.H. Ryan, and N. Muzyczka, "Identification of linear DNA sequences that specifically bind the adeno-associated virus Rep protein," 1994, <i>J. Virol.</i> , 68:4988-4997.		
B155	McCown TJ, Xiao X, Li J, Breese GR, Samulski RJ, "Differential and Persistent Expression Patterns of CNS Gene Transfer by an Adeno-Associated Virus (AAV) Vector," 1996, <i>Brain Res</i> , 713:99-107.		

Examiner Signature: /Michael Burkhart/ Date Considered: 01/31/2011

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST  (Use as many sheets as necessary)		Complete if Known
		Application Number
		Filing Date
		First Named Inventor
		Group Art Unit
		Examiner Name
B156	McPherson, R. A., L. J. Rosenthal, and J. A. Rose, "Human cytomegalovirus completely helps adeno-associated virus replication," 1985, <i>Virology</i> , 147:217-222.	10/581,228
B157	Mendelson, E., J.P. Trempe, and B.J. Carter "Identification of the trans-acting Rep proteins of adeno-associated virus by antibodies to a synthetic oligopeptide," 1986, <i>J. Virol.</i> , 60:823-832.	June 2, 2006
B158	Meyers, C., Mane, M., Kokorina, N., Alam, S. and Hermonat, P.L., "Ubiquitous human adeno-associated virus type 2 autonomously replicates in differentiating keratinocytes of a normal skin model," 2000, <i>Virology</i> , 272:338-346.	Chiorini et al.
B159	Mitrani E, Ziv T, Thomsen G, Shimoni Y, Melton DA, Bril A, "Activin can induce the formation of axial structures and is expressed in the hypoblast of the chick," 1990, <i>Cell</i> , 63(3):495-501.	1646
B160	Mizukami, H., N.S. Young, and K.E. Brown, "Adeno-associated virus type 2 binds to a 150-kilodalton cell membrane glycoprotein," 1996, <i>Virology</i> , 217:124-130.	Unassigned
B161	Mori, S., L. Wang, T. Takeuchi, and T. Kanda, "Two novel adeno-associated viruses from cynomolgus monkey: pseudotyping characterization of capsid protein," 2004, <i>Virology</i> , 330:375-383.	
B162	Mouw, M.B. and Pintel, D.J., "Adeno-associated virus RNAs appear in a temporal order and their splicing is stimulated during coinfection with adenovirus," 2000, <i>J Virol.</i> , 74:9878-9888.	
B163	Muramatsu S-I, et al., "Nucleotide Sequencing and Generation of an Infectious Clone of Adeno-Associated Virus 3," 1996, <i>Virology</i> , 221:208-217, XP000608965	
B164	Muster et al., "Physical Mapping of Adeno-Associated Virus Serotype 4 DNA" 1980, <i>J. Virol.</i> , 35(3):653-661; XP002058632	
B165	Muzyczka, N, "Use of adeno-associated virus as a general transduction vector for mammalian cells," 1992, <i>Curr Top Microbiol Immunol</i> , 158:97-129.	
B166	Myrup, A.C., Mohanty, S.B. and Hetrick, F.M., "Isolation and characterization of adeno-associated viruses from bovine adenovirus types 1 and 2," 1976, <i>Am J Vet Res</i> , 37(8):907-910.	
B167	Naz, S., Griffit,h A.J., Riazuddin, S., Hampton, L.L., Battey, J.F. Jr, Khan, S.N., Riazuddin, S., Wilcox, E.R., Friedman, T.B., "Mutations of ESPN cause autosomal recessive deafness and vestibular dysfunction," 2004, <i>J Med Genet</i> , 41(8):591-595.	
B168	No D, Yao TP, Evans RM., "Ecdysone-inducible gene expression in mammalian cells and transgenic mice," 1996, <i>Proc Natl Acad Sci USA</i> , 93(8):3346-3351.	
B169	Ogston, P., K. Raj, and P. Beard, "Productive replication of adeno-associated virus can occur in human papillomavirus type 16 (HPV-16) episome containing keratinocytes and is augmented by the HPV-16 E2 protein," 2000, <i>J Virol.</i> , 74:3494-3504.	
B170	Opie et al., "Identification of amino acid residues in the capsid proteins of adeno-associated virus type 2 that contribute to heparan sulfate proteoglycan binding," 2003, <i>J Virol.</i> , 77:6995-7006.	
B171	O'Riordan et al., "Scaleable Chromatographic Purification Process for Recombinant Adeno-Associated Virus (rAAV)," 2000, <i>J Gene Med</i> , 2:444-454.	
B172	Parks, W.P., J.L. Melnick, R. Rongey, and H.D. Mayor, "Physical assay and growth cycle studies of a defective adeno-satellite virus," 1967, <i>J. Virol.</i> , 1:171-180.	

Examiner Signature:

Date Considered:

01/31/2011

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST  (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/581,228
		Filing Date	June 2, 2006
		First Named Inventor	Chiorini et al.
		Group Art Unit	1646
		Examiner Name	Unassigned
B173	Podsakoff, G., K.K. Jr Wong, and S. Chatterjee, "Efficient gene transfer into nondividing cells by adeno-associated virus-based vectors," 1994, <i>J. Virol.</i> , 68:5656-5666.		
B174	Polishchuk R, Di Pentima A, Lippincott-Schwartz J, "Delivery of raft-associated, GPI-anchored proteins to the apical surface of polarized MDCK cells by a transcytotic pathway," 2004, <i>Nat Cell Biol</i> , 6(4):297-307.		
B175	Prasad KM, Zhou C, Trempe JP, "Characterization of the Rep78/adeno-associated virus complex," 1997, <i>Virology</i> , 229(1):183-192, XP-002125033.		
B176	Qing K, Mah C, Hansen J, Zhou S, Dwarki V, Srivastava A., "Human fibroblast growth factor receptor 1 is a co-receptor for infection by adeno-associated virus 2," 1999, <i>Nat Med</i> , 5(1):71-77.		
B177	Qiu J, Brown KE., "Integrin alphaVbeta5 is not involved in adeno-associated virus type 2 (AAV2) infection," 1999, <i>Virology</i> , 264(2):436-440.		
B178	Rabinowitz et al., "Cross-Packaging of a Single Adeno-Associated Virus (AAV) Type 2 Vector Genome into Multiple AAV Serotypes Enables Transduction with Broad Specificity," 2002, <i>J Virol</i> , 76(2):791-801, XP002247245.		
B179	Rabinowitz JE, Bowles DE, Faust SM, Ledford JG, Cunningham SE, Samulski RJ., "Cross-dressing the virion: the transcapsidation of adeno-associated virus serotypes functionally defines subgroups," 2004, <i>J Virol</i> , 78(9):4421-4432.		
B180	Reddy, V. S., P. Natarajan, B. Okerberg, K. Li, K. V. Damodaran, R. T. Morton, C. L. Brooks, 3rd, and J. E. Johnson, "Virus Particle Explorer (VIPER), a website for virus capsid structures and their computational analyses," 2001, <i>J Virol</i> , 75:11943-11947.		
B181	Rich DP, Couture LA, Cardoza LM, Guiggio LM, Armentano D., Espino PC, Hehir K., Welsh MJ, Smith AE, and Gregory RJ, "Development and analysis of recombinant adenoviruses for gene therapy of cystic fibrosis," 1993, <i>Hum. Gene Ther.</i> , 4:461-476.		
B182	Richardson, W. D., and H. Westphal, "Requirement for either early region 1a or early region 1b adenovirus gene products in the helper effect for adeno-associated virus," 1984, <i>J Virol</i> , 51:404-410.		
B183	Rose, J.A., M.D. Hoggan, F. Koczot, and A.J. Shatkin, "Genetic relatedness studies with adenovirus-associated viruses," 1968, <i>J. Virol.</i> , 2:999-1005.		
B184	Rosenfeld et al., "Adeno-associated viral vector gene transfer into leptomeningeal xenografts," 1997, <i>J Neuro-Oncology</i> , 34(2):139-144.		
B185	Russell et al., "Adeno-Associated Virus Vectors Preferentially Transduce Cells in S Phase," 1994, <i>Proc. Natl. Acad. Sci. USA</i> , 91:8915-8919.		
B186	Rutledge EA, Halbert CL, and Russell DW, "Infectious Clones and Vectors Derived from Adeno-Associated Virus (AAV) Serotypes other Than AAV Type 2," 1998, <i>J. Virol.</i> , 72(1):309-319.		
B187	Ryan, J.H., S. Zolotukhin, and N. Muzyczka, "Sequence requirements for binding of Rep68 to the adeno-associated virus terminal repeats," 1996, <i>J. Virol.</i> , 70:1542-1553.		
B188	Rzadzinska, A. K., M. E. Schneider, et al., "An actin molecular treadmill and myosins maintain stereocilia functional architecture and self-renewal," 2004, <i>J Cell Biol</i> , 164(6):887-897.		
B189	Saffer, L. D., R. Gu, et al., "An RT-PCR analysis of mRNA for growth factor receptors in damaged and control sensory epithelia of rat utricles," 1996, <i>Hear Res</i> , 94(1-2):14-23.		

Examiner Signature:	/Michael Burkhart/	Date Considered:	01/31/2011
---------------------	--------------------	------------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST  (Use as many sheets as necessary)		Complete if Known
		Application Number
		Filing Date
		First Named Inventor
		Group Art Unit
		Examiner Name
B190	Salo R. and Mayor H., "Structural Polypeptides of Parvoviruses," 1977, <i>Virology</i> , 78:340-345; XP002058634	
B191	Samulski RJ, Chang LS, Shenk T, "Helper-free stocks of recombinant adeno-associated viruses: normal integration does not require viral gene expression," 1989, <i>J Virol.</i> , 63(9):3822-3828, XP000283071	
B192	Samulski, R. J., and T. Shenk, "Adenovirus E1B 55-M <sub>r</sub> polypeptide facilitates timely cytoplasmic accumulation of adeno-associated virus mRNAs," 1988, <i>J Virol.</i> , 62:206-210.	
B193	Samulski, R.J., K.I. Berns, M. Tan, and N. Muzyczka, "Cloning of adeno-associated virus into pBR322: rescue of intact virus from the recombinant plasmid in human cells," 1982, <i>Proc Natl Acad Sci USA</i> , 79:2077-2081.	
B194	Sanes JR, JLR Rubenstein, and JF Nicolas, "Use of a recombinant retrovirus to study post-implantation cell lineage in mouse embryos," 1986, <i>EMBO J.</i> , 5:3133-3142.	
B195	Sanlioglu, S., Benson, P.K., Yang, J., Atkinson, E.M., Reynolds, T. and Engelhardt, J.F., "Endocytosis and nuclear trafficking of adeno-associated virus type 2 are controlled by rac1 and phosphatidylinositol-3 kinase activation," 2000, <i>J Virol.</i> , 74:9184-9196.	
B196	Schinkel AH, "P-Glycoprotein, a gatekeeper in the blood-brain barrier," 1999, <i>Adv Drug Deliv Rev</i> , 36:179-194.	
B197	Schlehofer JR, Heilbronn R, Georg-Fries B, zur Hausen H, "Inhibition of initiator-induced SV40 gene amplification in SV40-transformed Chinese hamster cells by infection with a defective parvovirus," 1983, <i>Int J Cancer</i> , 32(5):591-595, XP009010321.	
B198	Schlehofer, J. R., M. Ehrbar, and H. zur Hausen, "Vaccinia virus, herpes simplex virus, and carcinogens induce DNA amplification in a human cell line and support replication of a helpervirus dependent parvovirus," 1986, <i>Virology</i> , 152:110-117.	
B199	Schmidt M, Grot E, Cervenka P, Wainer S, Buck C, Chiorini JA, "Identification and characterization of novel adeno-associated virus isolates in ATCC virus stocks," 2006, <i>J Virol.</i> , 80(10):5082-5085.	
B200	Schneider, M. E., I. A. Belyantseva, et al., "Rapid renewal of auditory hair bundles," 2002, <i>Nature</i> , 418(6900):837-838.	
B201	Schwede, T., J. Kopp, N. Guex, and M. C. Peitsch, "SWISS-MODEL: An automated protein homology-modeling server," 2003, <i>Nucleic Acids Res</i> , 31:3381-3385.	
B202	Seiler MP, Miller AD, Zabner J, Halbert CL, "Adeno-associated virus types 5 and 6 use distinct receptors for cell entry," 2006, <i>Hum Gene Ther</i> , 17:10-19.	
B203	Seiler, M. P., C. L. Halbert, J. A. Chiorini, A. D. Miller, and J. Zabner, "AAV5 and AAV6 Mediate Gene Transfer to Human Airway Epithelia Via Different Receptors," 2002, <i>Mol Ther</i> , 5:S40.	
B204	Senapathy, P., J.D. Tratschin, and B.J. Carter, "Replication of adeno-associated virus DNA. Complementation of naturally occurring rep- mutants by a wild-type genome or an ori- mutant and correction of terminal palindrome deletions," 1984, <i>J Mol Biol</i> , 179:1-20.	
B205	Shou, J., J. L. Zheng, et al., "Robust generation of new hair cells in the mature mammalian inner ear by adenoviral expression of <i>Hath1</i> ," 2003, <i>Mol Cell Neurosci</i> , 23(2):169-179.	
B206	Smith, R. H., S. A. Afione, et al., "Transposase-mediated construction of an integrated adeno-associated virus type 5 helper plasmid," 2002, <i>Biotechniques</i> , 33(1):204-206,208,210-211.	

Examiner Signature: /Michael Burkhart/ Date Considered: 01/31/2011

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST  (Use as many sheets as necessary)		Complete if Known
		Application Number
		Filing Date
		First Named Inventor
		Group Art Unit
		Examiner Name
B207	Snyder RO, Miao CH, Patijn GA, Spratt SK, Danos O., Nagy D., Gown AM, Winther B., Meuse L., Cohen LK, Thompson AR, and Kay MA, "Persistent and therapeutic concentrations of human factor IX in mice after hepatic gene transfer of recombinant AAV vectors," 1997, <i>Nat. Genet.</i> , 16:270-276.	
B208	Sobkowicz, H. M., J. M. Loftus, et al., "Tissue culture of the organ of Corti," 1993, <i>Acta Otolaryngol Suppl</i> , 502:3-36.	
B209	Srivastava et al., "Nucleotide Sequence and Organization of the Adeno-Associated Virus 2 Genome," 1983, <i>J. Virol.</i> , 45(2):555-564; XP002058633	
B210	Staecker H, Li D, O'Malley BW Jr, Van De Water TR., "Gene expression in the mammalian cochlea: a study of multiple vector systems," 2001, <i>Acta Otolaryngol</i> , 121(2):157-163.	
B211	Stracker, T. H., G. D. Cassell, P. Ward, Y. M. Loo, B. van Breukelen, S. D. Carrington-Lawrence, R. K. Hamatake, P. C. van der Vliet, S. K. Weller, T. Melendy, and M. D. Weitzman, "The Rep protein of adeno-associated virus type 2 interacts with single-stranded DNA-binding proteins that enhance viral replication," 2004, <i>J Virol</i> , 78:441-453.	
B212	Summerford C, Bartlett JS, Samulski RJ., "AlphaVbeta5 integrin: a co-receptor for adeno-associated virus type 2 infection," 1999, <i>Nat Med</i> , 5(1):78-82.	
B213	Summerford, C. and R. J. Samulski, "Membrane-associated heparan sulfate proteoglycan is a receptor for adeno-associated virus type 2 virions," 1998, <i>J Virol</i> , 72(2):1438-1445.	
B214	Superti, F., M. L. Marziano, A. Tinari, and G. Donelli, "Effect of polyions on the infectivity of SA-11 rotavirus in LCC-MK2 cells," 1993, <i>Comp Immunol Microbiol Infect Dis</i> , 16:55-62.	
B215	Suzuki, H., Y. Katori, et al., "Carbohydrate distribution in the living utricular macula of the guinea pig detected by lectins," 1995, <i>Hear Res</i> , 87(1-2):32-40.	
B216	Teramoto, S., Bartlett JS, McCarty DXX, Samulski RJ, and Boucher RC, "Factors influencing adeno-associated virus-mediated gene transfer to human cystic fibrosis airway epithelial cells: comparison with adenovirus vectors," 1998, <i>J Virol</i> , 72:8904-8912.	
B217	Thomas CE, Storm TA, Huang Z, Kay MA, "Rapid uncoating of vector genomes is the key to efficient liver transduction with pseudotyped adeno-associated virus vectors," 2004, <i>J Virol</i> , 78(6):3110-3122.	
B218	Tratschin, J. D., M. H. West, T. Sandbank, and B. J. Carter, "A human parvovirus, adeno-associated virus, as a eucaryotic vector: transient expression and encapsidation of the procaryotic gene for chloramphenicol acetyltransferase," 1984, <i>Mol Cell Biol</i> , 4:2072-2081.	
B219	Tratschin, J.D., I.L. Miller, and B.J. Carter, "Genetic analysis of adeno-associated virus: properties of deletion mutants constructed <i>in vitro</i> and evidence for an adeno-associated virus replication function," 1984, <i>J. Virol.</i> , 51:611-619.	
B220	Trempe, J.P. and B.J. Carter, "Regulation of adeno-associated virus gene expression in 293 cells: control of mRNA abundance and translation," 1988, <i>J. Virol.</i> , 62:68-74.	
B221	Trempe, J.P., E. Mendelson, and B.J. Carter, "Characterization of adeno-associated virus rep proteins in human cells by antibodies raised against rep expressed in <i>Escherichia coli</i> ," 1987, <i>Virology</i> , 161:18-28.	
B222	Tuma PL and Hubbard AL, "Transcytosis: crossing cellular barriers," 2003, <i>Physiol Rev</i> , 83(3):871-932.	

Examiner Signature: /Michael Burkhart/ Date Considered: 01/31/2011

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT LIST  (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/581,228
		Filing Date	June 2, 2006
		First Named Inventor	Chiorini et al.
		Group Art Unit	1646
		Examiner Name	Unassigned
B223	Voutetakis A, Kok MR, Zheng C, Bossis I, Wang J, Cotrim AP, Marracino N, Goldsmith CM, Chiorini JA, Loh YP, Nieman LK, Baum BJ, "Reengineered salivary glands are stable endogenous bioreactors for systemic gene therapeutics," 2004, <i>Proc Natl Acad Sci USA</i> , 101(9):3053-3058.		
B224	Walsh, C.E., J.M. Liu, X. Xiao, N.S. Young, A.W. Nienhuis, and R.J. Samulski, "Regulated high level expression of a human gamma-globin gene introduced into erythroid cells by an adeno-associated virus vector," 1992, <i>Proc Natl Acad Sci USA</i> , 89:7257-7261.		
B225	Walters, R.W., Yi, S.M., Keshavjee, S., Brown, K.E., Welsh, M.J., Chiorini, J.A. and Zabner, J., "Binding of adeno-associated virus type 5 to 2,3-linked sialic acid is required for gene transfer," 2001, <i>J Biol Chem</i> , 276:20610-20616.		
B226	Walters, RW, Duan D., Engelhardt JF, and Welsh MJ., "Incorporation of adeno-associated virus in a calcium phosphate coprecipitate improves gene transfer to airway epithelia <i>in vitro</i> and <i>in vivo</i> ," 2000, <i>J. Virol.</i> , 74:535-540.		
B227	Walters, RW, Grunst T., Bergelson JM, Finberg RW, Welsh MJ, and Zabner J., "Basolateral localization of fiber receptors limits adenovirus infection from the apical surface of airway epithelia," 1999, <i>J. Biol. Chem.</i> , 274:10219-10226.		
B228	Walz, C., A. Deprez, T. Dupressoir, M. Durst, M. Rabreau, and J. R. Schlehofer, "Interaction of human papillomavirus type 16 and adeno associated virus type 2 co-infecting human cervical epithelium," 1997, <i>J Gen Virol</i> , 78(Pt 6):1441-1452.		
B229	Wang G., Davidson BL, Melchert P., Slepushkin VA, van Es HH, Bodner M., Jolly DJ, and McCray PB Jr., "Influence of cell polarity on retrovirus-mediated gene transfer to differentiated human airway epithelia," 1998, <i>Journal of Virology</i> , 72:9818-9826.		
B230	Wang X S, and A Srivastava, "Rescue and autonomous replication of adeno-associated virus type 2 genomes containing Rep-binding site mutations in the viral p5 promoter," 1998, <i>J Virol</i> , 72:4811-4818.		
B231	Ward, P., F. B. Dean, M. E. O'Donnell, and K. I. Berns, "Role of the adenovirus DNA-binding protein in <i>in vitro</i> adeno-associated virus DNA replication," 1998, <i>J Virol</i> , 72:420-427.		
B232	Weindler, F. W., and R. Heilbronn, "A subset of herpes simplex virus replication genes provides helper functions for productive adeno-associated virus replication," 1991, <i>J Virol</i> , 65:2476-2483.		
B233	Winocour, E., M.F. Callaham, and E. Huberman, "Perturbation of the cell cycle by adeno-associated virus," 1988, <i>Virology</i> , 167:393-399.		
B234	Xiao, W., N. Chirmule, S. C. Berta, B. McCullough, G. Gao, and J. M. Wilson, "Gene therapy vectors based on adeno-associated virus type 1," 1999, <i>J Virol</i> , 73:3994-4003.		
B235	Xiao et al., "Efficient Long-Term Gene Transfer into Muscle Tissue of Immunocompetent Mice by Adeno-Associated Virus Vector," 1996, <i>J. Virol.</i> , 70(11):8098-8108.		
B236	Xiao Xm Li J, Samulski RJ, "Production of High-Titer Recombinant Adeno-Associated Virus Vectors in the Absence of Helper Adenovirus," 1997, <i>J Virol</i> , 72(3):2224-2232.		
B237	Xie Q. and Chapman MS, "Canine parvovirus capsid structure, analyzed at 2.9 Å resolution," 1996, <i>J Mol Biol</i> , 264:497-520.		
B238	Yalkinoglu, A.O., Heilbronn, R., Burkle, A., Schlehofer, J.R. and zur Hausen, H., "DNA amplification of adeno-associated virus as a response to cellular genotoxic stress," 1988, <i>Cancer Res</i> , 48:3123-3129.		

Examiner Signature:	/Michael Burkhart/	Date Considered:	01/31/2011
---------------------	--------------------	------------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/

ATTORNEY DOCKET No.: 14014.0417U2

APPLICATION No.: 10/581,228

SHEET 15 OF 15

INFORMATION DISCLOSURE STATEMENT LIST  (Use as many sheets as necessary)		Complete if Known
	B239	Yakobson, B., Hrynkó, T.A., Peak, M.J. and Winocour, E., "Replication of adeno-associated virus in cells irradiated with UV light at 254 nm," 1989, <i>J Virol</i> , 63:1023-1030.
	B240	Yamano, S., Huang, L.Y., Ding, C., Chiorini, J.A., Goldsmith, C.M., Wellner, R.B., Golding, B., Kotin, R.M., Scott, D.E. and Baum, B.J., "Recombinant adeno-associated virus serotype 2 vectors mediate stable interleukin 10 secretion from salivary glands into the bloodstream," 2002, <i>Hum Gene Ther</i> , 13:287-298.
	B241	Yamaya, M., Finkbeiner WE, Chun SY, and Widdicombe JH, "Differentiated structure and function of cultures from human tracheal epithelium," 1992, <i>Am J Physiol</i> , 262:L713-L724.
	B242	Zabner J, Seiler M, Walters R, Kotin RM, Fulgeras W, Davidson BL, Chiorini JA, "Adeno-associated virus type 5 (AAV5) but not AAV2 binds to the apical surfaces of airway epithelia and facilitates gene transfer," 2000, <i>J Virol</i> , 74(8):3852-3858, XP002197205
	B243	Zabner, J., Zeiher BG, Friedman E, and Welsh MJ, "Adenovirus-mediated gene transfer to ciliated airway epithelia requires prolonged incubation time," 1996, <i>J. Virol.</i> , 70:6994-7003.
	B244	Zhang JR, Mostov KE, Lamm ME, Nanno M, Shimida S, Ohwaki M, Tuomanen E, "The polymeric immunoglobulin receptor translocates pneumococci across human nasopharyngeal epithelial cells," 2000, <i>Cell</i> , 102(6):827-837.
	B245	Zhu ZB, Makhija SK, Lu B, Wang M, Rivera AA, Preuss M, Zhou F, Siegal GP, Alvarez RD, Curiel DT, "Transport across a polarized monolayer of Caco-2 cells by transferrin receptor-mediated adenovirus transcytosis," 2004, <i>Virol</i> , 325:116-128.
	B246	Zolotukhin et al., "Recombinant Adeno-Associated Virus Purification using Novel Methods Improves Infectious Titer and Yield," 1999, <i>Gene Ther</i> , 6:973-985.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/

Examiner Signature:	/Michael Burkhardt/	Date Considered:	01/31/2011
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			